

AIM Ann Report  
1889 to 1890

REPORT

OF THE

Auckland Institute

AND

MUSEUM

FOR 1889-90.

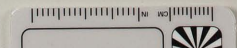
Adopted at the Annual Meeting, held on Feb 17th, 1890.

Auckland:

H. BRITT, PRINTER, STAR OFFICE, SHORTLAND AND FORT STREETS.

MDCCCXC.

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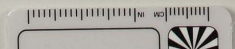
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OFFICERS

OF THE

Huckland Institute.

President :

J. STEWART, Esq., C.E.

Vice-Presidents :

J. MARTIN, Esq., F.G.S.      S. PERCY SMITH, Esq., F.R.G.S.

Council :

BERRY, W., Esq.

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BROWN, Prof. F. D.

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COOPER, C., Esq.

PURCHAS, A. G., M.R.C.S.

HUMPHRIES, T. Esq.

RUSSELL, J. B., Esq.

MACKECHNIE, E. A., Esq.

THOMAS, Prof. A. P., F.L.S.

TEBBS, Rev. W.

Trustees :

MACKECHNIE, E. A. Esq.

PEACOCK, T., Esq., M.H.R.

SMITH, S. P., Esq., F.R.G.S.

Secretary and Treasurer :

T. F. CHEESEMAM, Esq., F.L.S., F.Z.S.

Auditor :

J. REID, Esq.

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THE FOLLOWING


*Magazines and Periodicals*

ARE CIRCULATED AMONGST THE MEMBERS:—

Quarterly Journal of Microscopical Science  
The Ibis  
Nature  
Geological Magazine  
Lancet  
Scientific American  
The Academy  
Knowledge  
Botanical Magazine  
Annals of Botany  
Gardeners' Chronicle  
Chemical News  
Engineering  
Science Gossip  
Electrical and Telegraphic Review  
Journal of the Society of Arts  
Annals and Magazine of Natural History  
The Philosophical Magazine  
American Journal of Science

## REPORT.

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S provided for by the rules, the Council have now to present to the members the annual report on the progress of the Institute, and its financial and general condition.

**Members.**—Twelve new members have been added to the roll during the year. On the other hand, twenty-eight names have been withdrawn; ten from resignation, fourteen from non-payment of subscription for two consecutive years, and four from death. The total number of members on the roll is now 216, showing a decrease of sixteen during the year.

In the list of members removed by death since the last annual meeting occurs the name of the late Mr. Justice Gillies, who for a period of more than twenty-one years has been most intimately associated with the affairs and progress of the Society. In conjunction with Prof. Hutton and the late Mr. J. C. Crawford, he materially aided in the foundation of the Institute in 1868; when Superintendent of the Province of Auckland he obtained the site on which the Museum Buildings now stand; and it was through his liberal donation of £500 that it became possible to raise sufficient funds for the erection of the Museum. Three times he occupied the position of President; and he served on the Council, with the exception of two short intervals, from the foundation of the Society to the time of his death. The Council are specially desirous of expressing their grateful recognition of the advantages which the Institute has derived from the soundness of his judgment, his constant devotion to its best interests, and his frequent and always opportune liberality.

**Finance.**—The detailed balance-sheets appended to the report will give full information respecting the financial position of the Society. The total revenue of the general account, including the balance in hand at the commencement of the year, has been £909 9s. 2d. The members' subscriptions have yielded £173 5s.,



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being almost exactly the amount realised last year. The interest received from the invested funds of the Costley bequest has been £539 3s. 9d. This shows a decrease of about £50, due to the lower rates of interest now ruling. The net receipts from the Museum Endowment have been £73 18s. 11d., a sum which would have been much larger, but for the difficulty of dealing with country lands in the present times. The utmost economy has been exercised with the expenditure, which reaches the total of £704 14s. 8d., leaving a credit balance of £204 14s. 6d. in the Bank of New Zealand. On the whole, the Council consider that the financial condition of the Institute is one upon which they have a right to congratulate the members and themselves.

**Meetings.**—Twelve meetings have been held during the year, at which the following papers have been read :—

1. Alloys. By Prof. F. D. BROWN.
2. Notice of the Discovery of an old Maori Comb on the Great Barrier Island. By H. WINKELMANN.
3. Descriptive Notes on the Great Barrier Island. By S. WEETMAN, F.R.G.S.
4. A Mysterious Therapeutic Agent. By E. A. MACKECHNIE.
5. New Zealand Fibres. By J. A. POND.
6. New Species of *Pselaphida*. By Capt. T. BROWN, M.E.S.
7. Notice of the Discovery of *Asplenium japonicum* in New Zealand. By T. F. CHEESEMAN.
8. Description of the Waitomo Caves near Otorohanga. By T. HUMPHRIES.
9. The Story of the Waikato River. By Prof. A. P. THOMAS, F.L.S.
10. The Life and Times of Hartley Coleridge. By E. A. MACKECHNIE.
11. Weather Forecasts and Storm Warnings. By T. F. CHEESEMAN, F.L.S.
12. On some Relics of Cannibalism at Raglan. By H. D. M. HASZARD.
13. On the Conformable Relations of the Different Members of the Waitemata Series. By JAMES PARK, F.G.S.



14. New Species of Spiders. By A. T. URQUHART.
15. On a New Species of *Argiope* from Fiji. By A. T. URQUHART.
16. Tongarewa, or Penrhyn Island, and its People. By S. PERCY SMITH, F.R.G.S.
17. Animal Heat. By Dr. T. G. DAVY.
18. Maori Proverbs. By Judge T. H. SMITH.
19. New Spiders from the Jenolan Caves, New South Wales. By A. T. URQUHART.
20. Electric Bleaching. By Prof. F. D. BROWN.
21. Athletics in their Relation to Social Development. By Dr. BOND.

Most of the above papers have been sent to Wellington, where a selection will be made for printing in the next volume of "Transactions."

In last year's report it was mentioned that the Council had suggested to the Manager of the New Zealand Institute that it would be well to afford authors an opportunity of correcting the proofs of their papers before the final printing. A perusal of almost any paper in the "Transactions" containing technical matter will show the necessity for this, and it cannot be said that its adoption, with proper restrictions, would cause the printing of the volume to be delayed beyond the five months which are nearly always taken for that purpose. The Council regret to state, however, that up to the present time there are no signs of compliance with their request.

**Museum.**—The Museum has been kept open to the public during the usual hours—from ten to five on week-days, and from two to five on Sundays. On Sundays the visitors have been regularly counted, the total number being 6,775, or an average of 130 for each Sunday. It is difficult to estimate the attendance on the week-days, as it fluctuates considerably, according to the weather and other circumstances, but from occasional countings it is believed that the average has been about 75 per day, or 23,675 in all. This would give a total yearly attendance of 30,450, being an increase of 1,260 on the estimate for last year.

A considerable number of additions and donations have been received during the year, all of which are mentioned in the ap-

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pended lists. The collection of Bornean animals purchased from Mr. C. F. Adams, alluded to in last year's report, has been placed in his hands for mounting, and as the work is now well advanced, will shortly be received at the Museum. The collection includes an excellent specimen of an adult male Orang-utan, a pair of Proboscis Monkeys, and several others of the animals peculiar to the Malay Archipelago, and will form a very valuable and interesting acquisition to the Museum.

Among the additions to the ethnological collections is the carved gateway of the Pukeroa Pa at Rotorua. This fine example of Maori art, which has a special interest from the historical associations connected with it, was presented by the Rotorua natives to the Government, with the view of its being shown at the Dunedin Exhibition. Through the kindness of the Hon. Mr. Mitchelson, the Government have handed it over to the Museum, and after its return from the Exhibition it will find a permanent home with the rest of our Maori collections.

In connection with this subject, the Council would strongly urge upon the members that so far as the funds of the Institute will allow, no time should be lost in completing the collections in the Museum intended to illustrate the manners, customs, and mode of life of the Maori race. Even now the task will be both difficult and expensive, but if postponed for a few years its fulfilment will probably be altogether beyond our means. The Auckland Provincial District has always been the chief seat of the Maori population, and surely its public Museum should aim at the possession of the most complete collection in existence. In forming such a collection we have advantages and opportunities nowhere else possessed, and if we fail in this important branch of our duties, to us will be attributed the reproach of allowing the records and mementoes of the Maori race to perish or to pass into other countries.

**Library.**—The Council have but little to report under this head. But few purchases of books have been made during the year, but among them are a few interesting additions to the collection of works on New Zealand. Some expenditure has been incurred in binding arrears of magazines and serial literature, and the usual subscriptions have been paid for the publications of the chief English scientific societies. The periodicals and magazines intended for circulation among the members have been obtained as usual,

and on the whole have been well-read. A list of the books and other publications received by donation or exchange will be found appended to the report.

**Free School of Art.**—The School of Art established by Dr. Campbell in 1878, and which since then has been maintained at his sole expense, was closed in December last, the establishment of a similar and well-endowed School under the provisions of the will of the late Dr. Elam having made its further continuance unnecessary. Although the Institute had no connection with the School beyond granting it the use of a class-room, still it would ill become the Council to pass without notice the liberal and unostentatious manner in which Dr. Campbell has, for eleven years, made provision for the free teaching of art in Auckland. Such continued and consistent liberality is as rare as it is valuable, and the Council feel sure that it will long remain in the memory of the people of Auckland.

In conclusion, the Council have to thank the members and others for the assistance and encouragement they have given to the objects of the Institute, and which they hope will be again freely rendered during the coming year.

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February 11, 1890.

T. F. CHELSEMAN, TREASURER.

Examined and found to be correct.

JOHN REID, AUDITOR.

# INVESTMENT FUND ACCOUNT.

FEBRUARY 6, 1889, TO FEBRUARY 10, 1890.

	£	s.	d.		£	s.	d.
Balance in Auckland Savings Bank, Feb. 6, 1889	142	17	6	Balance in Auckland Savings Bank, Feb. 10, 1890	149	19	6
Interest to December 31, 1889	7	2	0				
	<u>£149</u>	<u>19</u>	<u>6</u>		<u>£149</u>	<u>19</u>	<u>6</u>

# MUSEUM ENDOWMENT ACCOUNT.

FEBRUARY 6, 1889, TO FEBRUARY 10, 1890.

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, Feb. 6, 1889	10	13	5	Repairs to Buildings, Insurance, Agency, and other Expenses	16	14	1
Rents and Interest on Investments	90	13	0	Transferred to General Account	73	18	11
				Balance in Bank of New Zealand, Feb. 10, 1890	10	13	5
	<u>£101</u>	<u>6</u>	<u>5</u>		<u>£101</u>	<u>6</u>	<u>5</u>

February 11, 1890.

Examined and found to be correct.

JOHN REID, AUDITOR.

T. F. CHEESEMAN, TREASURER.

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## Investments of the Auckland Institute.

	£	s.	d.
COSTLEY BEQUEST—			
On Mortgage on Freehold Security at 6 per cent. ....	7,000	0	0
On Mortgage on Freehold Security at 6½ per cent. ....	650	0	0
Deposited with Industrial and Provident Building Society at 6 per cent. ....	1,000	0	0
Deposited with Industrial and Provident Building Society at 5 per cent. ....	550	0	0
NATHAN BEQUEST—			
Deposited in Auckland Savings Bank at 5 per cent. ....	110	16	8
MUSEUM ENDOWMENT—			
On Mortgage on Freehold Security at 7 per cent. ....	900	0	0
On Mortgage on Freehold Security at 7 per cent. ....	270	0	0
Deposited in Auckland Savings Bank at 5 per cent. ....	87	9	8
INVESTMENT FUND FOR LIFE SUBSCRIPTIONS—			
Deposited in Auckland Savings Bank at 5 per cent. ....	149	19	6
TOTAL INVESTMENTS ....	£10,718	5	10

T. F. CHEESEMAN,

TREASURER.

Documents examined and found to be in order,

JOHN REID,

AUDITOR.

February 11, 1890.



## ADDITIONS AND DONATIONS

TO THE

### LIBRARY AND MUSEUM.

- Report of the Colonial Museum and Laboratory for 1888; Report of the Geological Survey, No. 19; Phormium Tenax as a Fibrous Plant. The Director of the Geological Survey.
- Parliamentary Papers and Reports; New Zealand Hansard for 1889; New Zealand Statutes for 1889; New Zealand Statistics; White's Ancient History of the Maori Race, 4 vols.; Bibliography of New Zealand. The New Zealand Government.
- Statistics of Tasmania for 1888; Welch's Tasmanian Almanac for 1890. The Colonial Secretary, Tasmania.
- Victorian Year Book for 1888-89. The Government Statist, Victoria.
- McCoy's Prodrum of the Zoology of Victoria, Decades 18 and 19. The Chief Secretary, Victoria.
- Proceedings of the Royal Society of Victoria, Vol. I., new series. The Society.
- Journal and Proceedings of the Royal Society of New South Wales, Vol. XXIII., Part I. The Society.
- United Australia. The Colonial Secretary, New South Wales.
- Annual Report of the Department of Mines, New South Wales, for 1888, and other publications. The Department of Mines.
- Report of the Australasian Association for the Advancement of Science, Vol. I. The Association.
- Proceedings of the Linnean Society of New South Wales, Vol. III., Parts III. and IV. The Society.
- Proceedings of the Royal Society of Queensland for 1888-89. The Society.
- Report of the Government Scientific Expedition to the Bellenden-ker Range; Bailey's Plants Injurious to Stock. The Colonial Secretary, Queensland.
- Liversidge's Minerals of New South Wales. The Author.
- Official Gazette of the United States Patent Office; United States Consular Reports. The United States Government.
- Insect Life, conclusion of Vol. I. and parts of Vol. II. The Government Entomologist, Washington, U.S.A.
- Report of the Smithsonian Institution for 1886, Part I. The Smithsonian Institution.
- Report of the Geological and Natural History Survey of Minnesota for 1887; Bulletins of the Survey, Nos. 2, 3, 4. The State Geologist, Minnesota.
- Report of the Geological Survey of Canada for 1887-88; Macoun's Catalogue of Canadian Plants; Whiteave's Contributions to Canadian Paleontology. The Geological Survey, Canada.
- Monthly Reports of the Observatory of Rio Janeiro, Brazil. The Director of the Observatory.



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Monthly Bulletins of the Mexican Observatory. The Observatory, Mexico.  
Bulletin of the Italian Entomological Society. Prof. Giglioli.  
Monatsbericht der Deutschen Seewarte. Der Seewarte.  
Symons's Monthly Meteorological Magazine. The Editor.  
Journal of the Society of Arts, London. The Society.  
Proceedings of the Royal Colonial Institute, Vol. XX. The Society.  
Mackay's Grasses and Forage Plants of New Zealand. The Author.  
Large Parcel of Meteorological Pamphlets. T. Wyatt, Opotiki.  
Vogel's Anno Domini 2000. The Publisher.  
A Planter's Experience in Fiji, by F. J. Moss. The Author.  
Lobel's Historia Plantarum, date 1576; Piso's Natural History of the Indies. Mr. Lake, M.H.R.

### BOOKS PURCHASED.

Philosophical Transactions of the Royal Society for 1883.  
Proceedings of the Royal Society for 1888.  
Proceedings of the Royal Geographical Society.  
Quarterly Journal of the Geological Society.  
Journal of the Royal Agricultural Society.  
Journal of the Chemical Society.  
Zoological Record for 1887.  
British Museum Catalogue of Birds, Vol. XIV.  
Michael's British Oribatidae (Ray Society).  
Buller's History of the Birds of New Zealand, 2 vols.  
Barraud's New Zealand, Graphic and Descriptive.  
Reid's Golden Coast of New Zealand.  
Gisborne's Colony of New Zealand.  
Barlow's Kaipara.  
Moser's Sketches of New Zealand and its Inhabitants.  
Many New Zealand Pamphlets.

### DONATIONS TO THE MUSEUM.

Fourteen Human Crania. Bequeathed by the late Dr. Stockwell.  
Preserved Head of Native of Solomon Islands. O. Humphreys.  
Skin of Hawk. H. McVaigh.  
Skin of Weka. A. Still.  
Young Gannet, set up. F. H. Combes.  
Egg of Hawk. G. C. Munro.  
Petrels and Land Rail from the Kermadec Islands. T. Bell.  
Skin of Shining Cuckoo. Mrs. Bushnell.  
Tasmanian Spiny Ant Eater (*Echidna hystric*). Mrs. Calder.  
Living Kiwi. P. E. Cheal.  
Two Kiwi Skins. A. Browne.  
Skin of Monkey. F. Taine.

- Procellaria* sp. C. J. Norton.  
 Bittern. W. Collins.  
 Red Snapper and other New Zealand Fishes. Captain Fairchild.  
*Chatodon* sp., from Fiji. A. Paten.  
 Fijian Iguana (*Brachylophus fasciatus*). J. Kenderdine.  
 Sea Snake (*Pelamys bicolor*), stranded alive near the East Cape. H. Brett.  
 Tree Lizard (*Hoplodactylus granulatus*). A. Goudie.  
 Green Lizard (*Naultinus elegans*). A. Wilson.  
 New Zealand Shells. E. B. Moss.  
 New Zealand Shells. T. F. Cheeseman.  
 New Zealand Shells. C. A. Walter.  
 Living Specimens of *Bulinus bovinus*. Captain Fairchild.  
 Foreign Shells. A. A. Partridge.  
*Latrodectus* sp., from Queensland. Dr. Bancroft.  
 Planarian Worm. N. W. Nelson.  
 Antimony and other Minerals from the Great Barrier Island. W. F. Buckland.  
 Auriferous Quartz from the Fiery Cross G. M. Co., Reefton. R. W. Raithby.  
 Samples of Alluvial Gold from the West Coast of Nelson. Purchased.  
 Asbestos from the Wade. A. Wilkins.  
 Silicified Wood. A. Wood.  
 Kauri Timber with Veins of Kauri Gum. H. B. Morton.  
 Vegetable Caterpillars (*Cordyceps Robertsii*). C. J. Norton.  
 Fruit of Ivory Nut Palm. F. J. Moss.  
 Carved Gateway of the Pukeroa Pa, Rotorua. The Native Department, per the Hon. E. Mitchelson.  
 Carvings from a Maori Runanga House. Hon. E. Mitchelson.  
 Three Maori Carvings. Deposited by Captain G. Mair.  
 Greenstone Mere. Purchased.  
 Fine Carved Whalebone Mere. Purchased.  
 Large Hei-tiki, Wooden Combs, Fern Pounders, etc. Purchased.  
 Maori Stone Axes and Fern Pounders. C. A. Walter.  
 Maori Stone Axes. A. Smith.  
 Fern Root Pounder. Cranston.  
 Stone Pestle, used for Grinding Titoki Berries. Judge Rogan.  
 Small Maori Spade, Wooden Fern Pounders, Stone Axes. R. J. Shakespeare.  
 Fishing Weights. A. Williams.  
 Model of Samoan Canoe. W. J. Napier.  
 Scalping Knife, used by the Mic-mac Indians of Nova Scotia. J. C. McLeod.  
 Fragment of Wood from a Tamarind Tree planted by Captain Cook at Tahiti. H. M. Jervis.  
 Grain of Powder, used for Heavy Ordnance in the German Army. Major Morrow.  
 Indian Silver Coins. Mrs. Gover.  
 Silver and Copper Coins. Mr. Kingsford.  
 Silver Coins. A. Black.  
 Copper Coins. B. Westman.  
 Carved Alabaster Ornament. Mrs. John Smith.

# LIST OF MEMBERS,

*For the Year ending March 31, 1890.*

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS \*]

Adams, J., B.A., Thames	Carr, R. C., Remuera
Aickin, G., Auckland	Chambers, J., Auckland
Aitken, W., ..	Champtaloup, E., Auckland
Aldis, Prof., ..	Cheal, P. E., Thames
Allom, A. J., Thames	Cheeseman, T. F., F.L.S., Auckland
Alexander, C., Auckland	Ching, T., Parnell
Alexander, J. M., Auckland	Clark, J. M., Remuera
Atkin, W., Tamaki	Clayton, W. T., Auckland
	Cochrane, W. S., ..
Baber, J., C.E., Remuera	Colbeck, Capt., Epsom
Bagnall, L. J., Thames	Coleman, W. C., Parnell
Bakewell, R. H., M.D., Auckland	Combes, F. H., Auckland
Baker, Rev. S. W., Auckland	Coom, J., C.E., ..
Ball, T., Onehunga	Cooper, C., ..
Ball, W. T., Auckland	Cooper, T., ..
Barstow, R. C., Epsom	Cowie, Rt. Rev. W. G., D.D., Bishop of Auckland
Bartley, E., Devonport	Cozens, G., Auckland
Bates, Rev. J., Devonport	Craig, Mrs. E., ..
* Bates, T. L., Newcastle, N.S.W.	Cranwell, R., ..
Batger, J., Auckland	Cruikshank, D. B., Auckland
Beere, D. M., C.E., Ponsonby	Cussen, L., Hamilton
Bell, Dr., Auckland	
Bell, E., Auckland	Darby, P., Auckland
Berry, W., Auckland	Davy, T. G., M.R.C.S.E., Ponsonby
Blythe, J. C., Rotorua	Dawson, F. W., M.R.C.S.E., Akld.
Bond, J. H. R., M.D., Auckland	Dignan, Hon. P., Auckland
Bourne, C. F., M.A., ..	Douglas, C., ..
Boylan, J. T., C.E., ..	Dufaur, E. T., ..
Brett, H., ..	
Brigham, J. M.	Edson, J., Devonport
Brock, A.	Edgecumbe, F. H., Ngarnawhia
Brown, Capt. T., F.E.S., Drury	Ewington, F. G., Auckland
Brown, Prof. F. D., Auckland	
Buchanan, John, ..	Fallon, D., Auckland
Buchanan, J., ..	Farmer, J., London
Buchanan, W., Devonport	Fenton, F. D., Kaipara
* Buckland, A., Auckland	Fidler, W., Auckland
Buckland, W. F., Remuera	Firth, J. C., ..
Buddle, T., Auckland	Fox, Sir W., ..
Burgess, E. W., Devonport	Fraser, G., ..
* Burton, Capt., London	
Burton, W., Auckland	George, C. S., Auckland
	George, S. T., Parnell
Cameron, R., Auckland	Girdler, Dr., Auckland
Campbell, H., ..	Goldie, D., ..
Campbell, J. L., M.D., Auckland	Goldie, W., ..
Campbell, Rev. J., Ponsonby	

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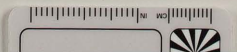
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- Goldsmith, E. C., Tauranga  
Goodfellow, W., Otara  
Gorrie, W., Auckland  
Grace, L. M., Taupo  
Graham, W. K., London  
Gray, A., Remuera  
Grey J., Auckland  
Grey, C. "  
Grosch, F. "  
Gulliver, Rev. E. H., M.A.,  
Auckland
- Haines, C. H., M.D., F.R.G.S.  
Auckland  
Hardie, J., Auckland  
Harding, S., C.E., Auckland  
Harker, N. "  
Haszard, H. D. M. "  
Haultain, Hon. Col. "  
Hay, J. "  
Heinitz, R. "  
Heather, A. "  
Henton, J. S. "  
Herapath, P. "  
Hesketh, E. "  
Herbert, T., Parnell  
Hill, Rev. J. S., Auckland  
Hill, W. J. "  
Hobbs, R., M.H.R., Pokeno  
Honeyman, J. H., M.D., Auckland  
Humphries, T., Auckland  
Hunt, R. R. "  
Hunter, A. J., C.E., Auckland
- Ireland, F., Auckland
- Johnston, H. D., Rotorua
- Kenderdine, J., Auckland  
Kidd, A. "  
Kidd, Rev. R., LL.D., Auckland  
\*Kirk, T., F.L.S., Wellington  
\*Kitt, T. W., Auckland
- Lanigan, Pierce, Auckland  
Larkins, F., London  
Larkworthy, F., London  
\*Leaf, C. J., F.L.S., F.G.S., London  
Lennox, J. M., Auckland  
\*Lennox, N. G., Sydney  
Leys, T. W., Auckland  
Lodder, W. "
- Macfarland, R. J., C.E., Ellerslie  
Mackenzie, E. A., Auckland  
MacMillan, C. C. "  
Mahoney, T. "  
Mair, Capt. G., Napier  
Mair, R., Whangarei  
Mair, Major W. G., Auckland  
Martin J., F.G.S. "  
Masfield, T. T. "  
\*Meinertzhagen, F. M., Napier  
McCullough, W., Auckland
- McLachlan, J. M., Auckland  
McLaurin, J. "  
Moat, W. P., Mahurangi  
Moody, T. P., Kawakawa  
Morton, H. B., Auckland  
Morrin, T. "  
Monro, H. A. H., Parnell  
Munro, G. C., Clevedon  
Murdoch, D. L., Auckland  
Murray, T. L., Thames
- Nathan, L. D., Auckland
- Orchiston, W., Auckland  
O'Rorke, Sir G. M. "  
Owen, G. B. "  
Owen, G. W. "
- Park, Jas., F.G.S., Thames  
Partridge, A. A., Auckland  
Paul, Rev. J. S., Onehunga  
Peacock, T., M.H.R., Auckland  
Percival, H., Parnell  
Pierce, G. P., Auckland  
Plumley, E. A. "  
Pond, J. A. "  
Purchas, Rev. A. G., M.R.C.S.E.,  
Auckland  
Purchas, A. C., M.D., Auckland
- Rawlings, M., Parnell  
Reid J., Auckland  
Ring, C. "  
Robertson, J., Auckland  
Robertson, Dr. "  
Rose, R. "  
Russell, Jas. "  
Russell, J. B. "  
\*Russell, T., London  
Rutherford, J. S., Kamo  
Sanders, C. W., Parnell  
Scott West, Rev. R. J., Mt. Eden  
Seegner, C., Auckland  
Shaw, H. "  
Shrewsbury, A., Parnell  
Simpson, F., Whangarei  
Sinclair, A., Auckland  
Smith, H. G. S., Wellington  
\*Smith, S. P., F.R.G.S., Wellington  
Stewart, J., C.E., Auckland
- Taylor, A. K., Mount Albert  
Tebbs, Rev. Wm., Auckland  
Thomas, Professor A. P., F.L.S.,  
Auckland  
\*Timne, H., London  
Timne, T. F. S., London
- Upton, J. H., Auckland  
Uryuhart, A. T., Karaka
- Vaile, S., Auckland  
Von Sturmer, E. S., Auckland

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Wade, H. G., Auckland	Will, W., Auckland
Wallis, Rev. Dr. „	Williams, Ven. Archdeacon W. L., Gisborne
Walsh, Rev. P., Waimate	Williamson, C., Auckland
Waymouth, J., Auckland	Wilson, H. M., Warkworth
Webb, F. R. „	Wilson, W. S., Auckland
Webster, J., Hokianga	Winks, J., Parnell
*Weetman, S., F.R.G.S., New Plymouth	*Withy, E., Remuera
Whitaker, E. H., Auckland	Worthington, H., Auckland
Whitaker, Sir F. „	Wright, F. W., L.M.B., Toronto, Parnell.
Wildman, W. „	

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